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NOTE**

**NEW HIGH FREQUENCY PROBABLE
COMMUNICATIONS ANTENNA IN CUBA**

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25X1A

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NEW HIGH FREQUENCY PROBABLE COMMUNICATIONS ANTENNA IN CUBA

25X1D 1. A new high frequency (HF) probable communications antenna, the first of its type to be observed in Cuba, was identified at Bauta International Radio Broadcasting and Transmitting Station, 14 nautical miles southwest of the center of Havana, on [REDACTED]

25X1D 2. The antenna, which was still under construction, is of an unusual design and is probably of Soviet origin. It consisted of a large self-supporting tower approximately [REDACTED] square at the base and [REDACTED] in height (Figure 1). Eight broadband shunted dipole elements were positioned on each of two sides. One of the two sides is oriented at [REDACTED] and the other at [REDACTED]. The presence of at least six support braces lying on the ground and one being hoisted by a crane indicated that antennas would be mounted on one of the two remaining sides, probably the west (oriented at [REDACTED]).

25X1D

25X1D

25X1D 3. Rigid dipole arrays of this type are unidirectional. The general application is HF broadcast or point-to-point communications.

25X1D 4. The construction of the antenna was begun sometime after [REDACTED]. The tower footings were first observed under construction in [REDACTED]. Two of the dipole elements were observed on the ground in [REDACTED].

25X1D

NPIC/IEG/WGD/SSB Project 150681NA

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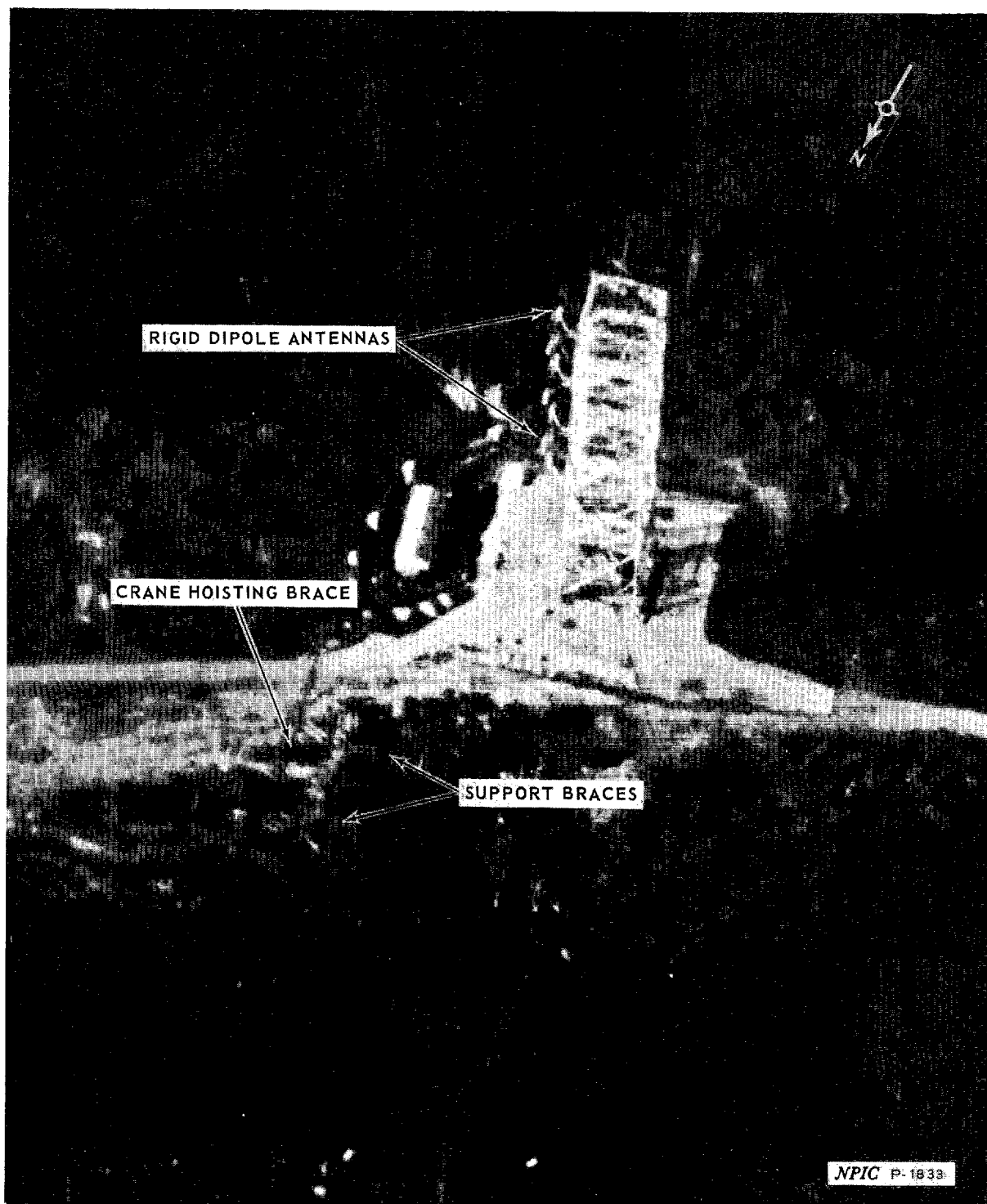


FIGURE 1. NEW HF PROBABLE COMMUNICATIONS ANTENNA, BAUTA INTERNATIONAL RADIO BROADCASTING AND TRANSMITTING STATION, CUBA

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